3	19	Delete "loop" and replace with --physical--;
3	20	Delete "surface" and replace with --spacing--;
4	14	Delete "have" and replace with --has--; After "conductor" insert --insulation--;
5	2	After "a" insert --conventional--;
5	19	Delete "is" and replace with --of a certain pair is shorter--;
5	20	Delete "less with certain pairs of conductors" and replace with --than for other pairs--;
5	21	After "length" insert --in this pair--; after "in" insert --the--;
5	22	Delete "lower" and replace with --increase--; Delete "low" and replace with --short--; Delete "pairs" and replace with --pair-;
5	23	After "addition," insert --conductors of--; Delete "low" and replace with --short--;
5	27	After "attenuation" insert --while at the same time lowering impedance. In fact, the impedance decreases rapidly from twisted pair to twisted pair as twist lay reduces. Also the attenuation increase caused by the closing together of the conductors and the longer length of conductors for shorter twist lays results in unacceptable attenuation values at high frequencies. This is exemplified as follows.--;
5	35	After "the" insert --square roots of the--;
6	12	Delete "loop surface area" and replace with --"physical spacing area"--;
6	13	After "pair" insert --, that is the distance between the conductors taken along the lengths of the conductors--;
		Delete "As" and replace with --In the

A4

A5

A6

example--;
Delete "loop" and replace with
--physical--;

6	14	Delete "surface" and replace with --spacing--;
6	15	After "a" insert --spatial distance--; Delete "the shortest distance";
6	16	Delete "that is normal to their";
6	17	Delete "direction at any point,"; After "the" insert --spatial distance-- After "line" insert --16--;
6	18	Delete "Thus, the loop surface area";
6	19	Delete in its entirety;
6	20	Delete "twisted pair of conductors in Figure 1."; Delete "loop surface" and replace with --physical spacing--;
6	23	Delete "increases" and replace with --decreases--;
6	26	Delete "loop surface" and replace with --physical spacing--;
6	32	Delete "then the length of";
6	33	Delete in its entirety;
6	34	Delete in its entirety;
6	35	Delete "lay. This effects substantialy increases in capac itance" and replace with --this effects substantial increases in capacitance--;

A 7

7	8	After "reaches" insert --high--;
7	25	After "conductors" insert --all of 24 AWG--;
8	15	Delete "impedance measured" and replace with --impedances at 1 MHz--;
8	16	Delete "over 1 meter"; Delete "over 100" and replace with --at 100 MHz--;
8	17	Delete "meters";
8	23	Delete "low";
8	26	Delete "frequency ranges" and replace with --frequencies--;

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